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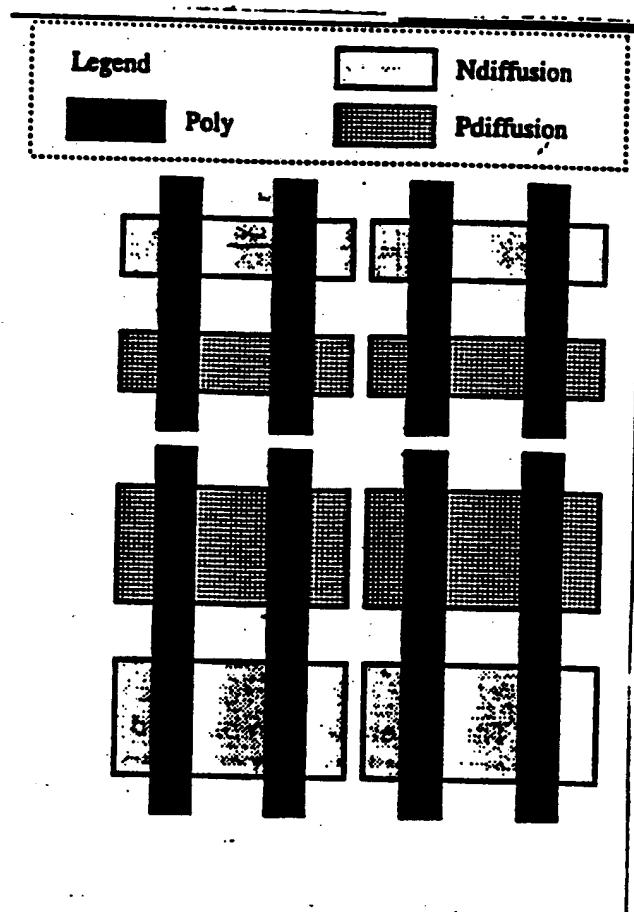


FIG. 1

P6643

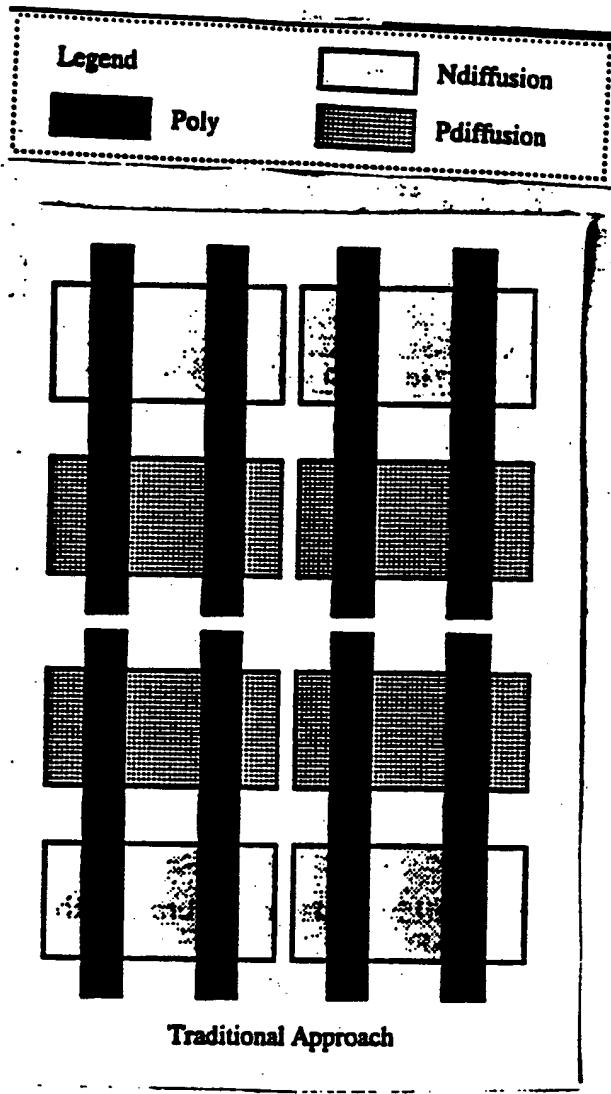
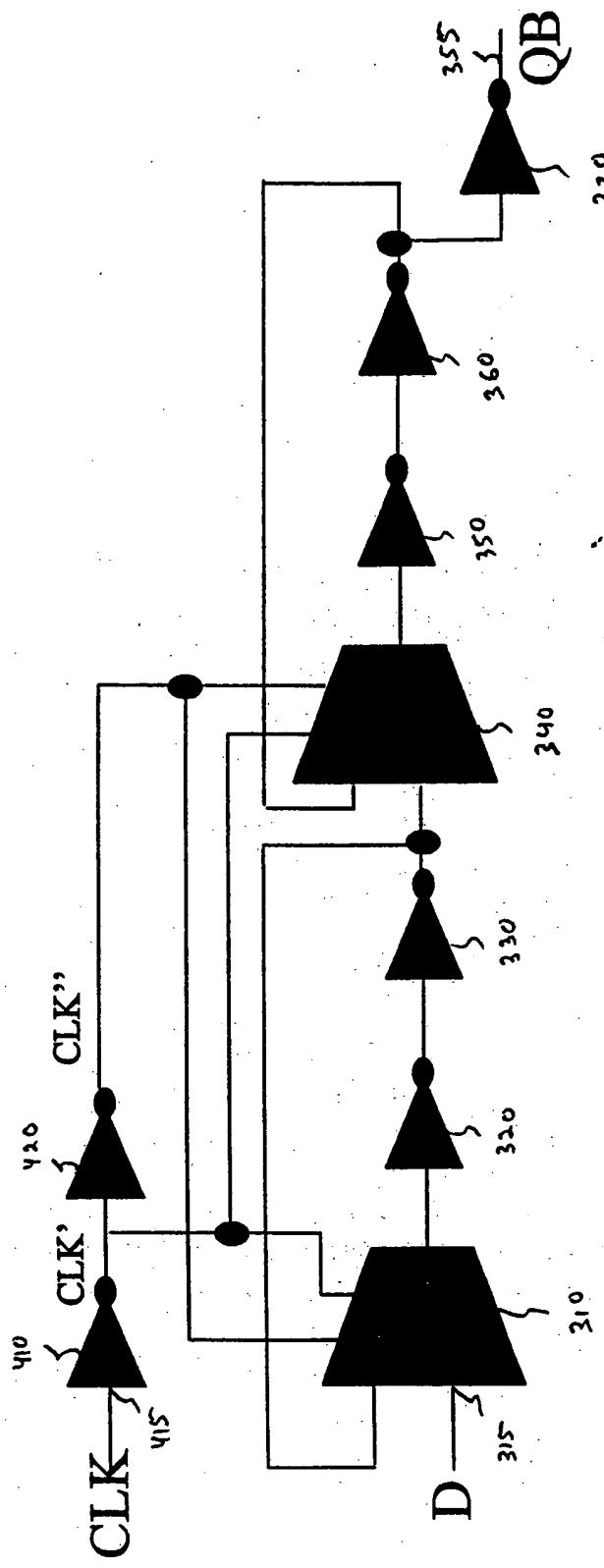


FIG. 2

P6643



F7G.3

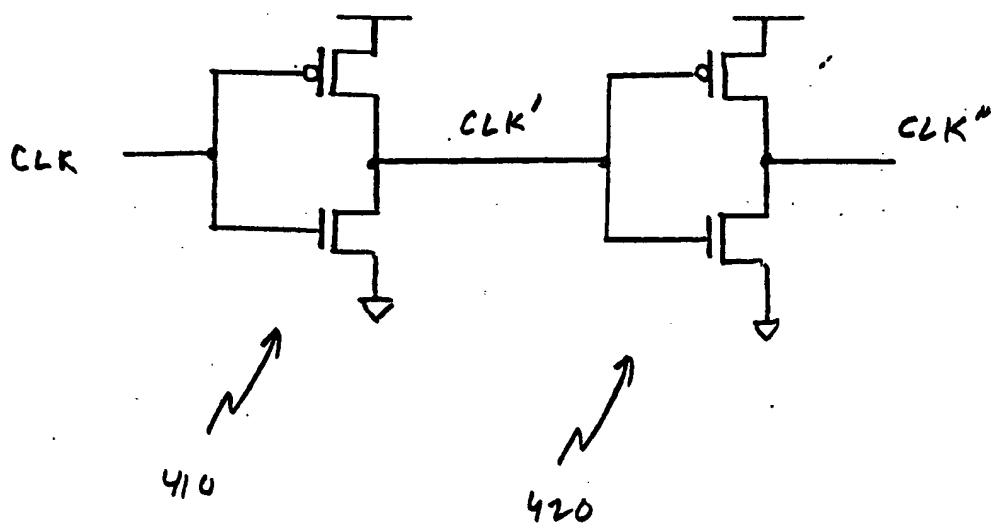
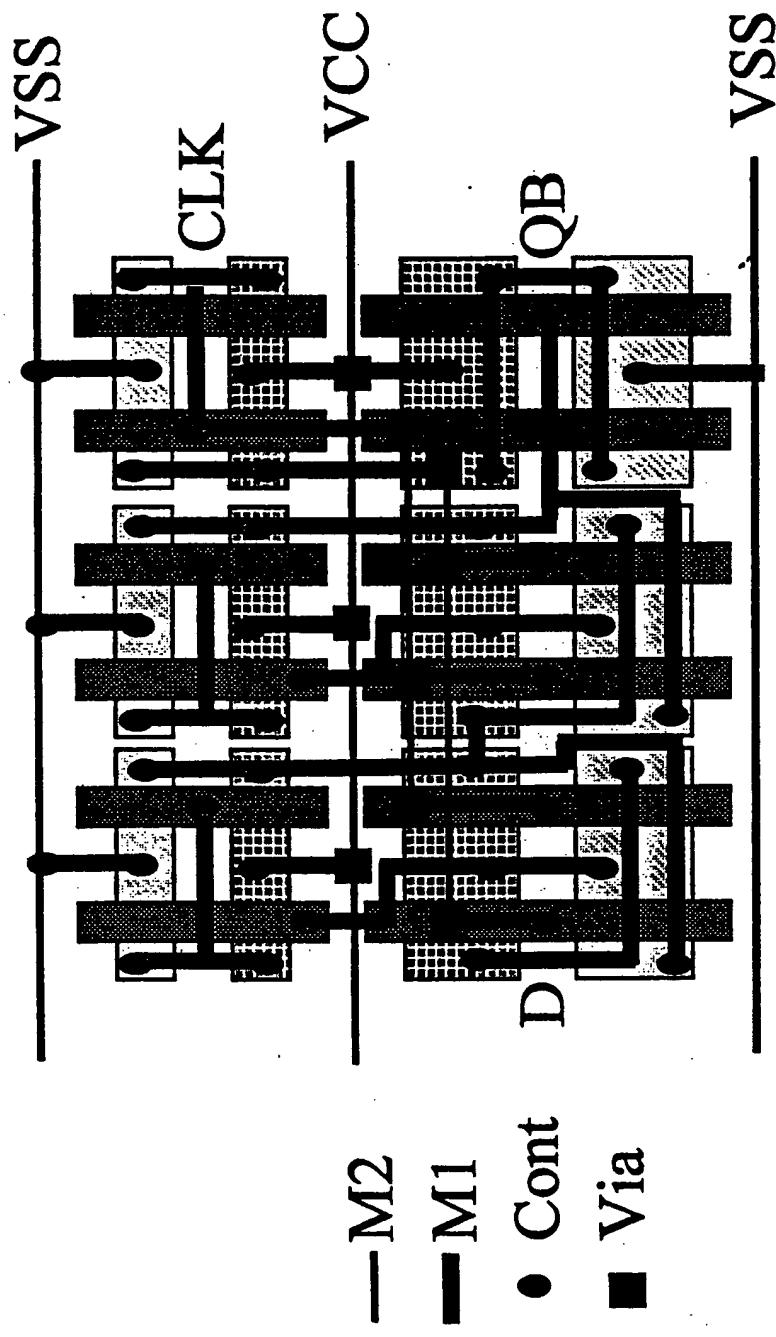


FIG. 4

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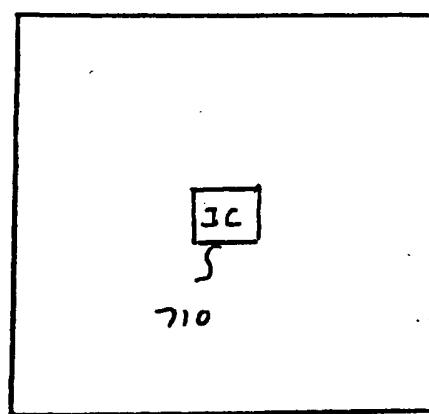
Table I

Name	Clock Pin Power	Notes
Capacitance Improved	0.06 pJ	FIG. 2
Si Arc	0.13 pJ	SiArc CBA
Traditional	0.15 pJ	FIG. 2

pJ = pico Joules

FIG. 6

P6643



700

FIG. 7

P6643